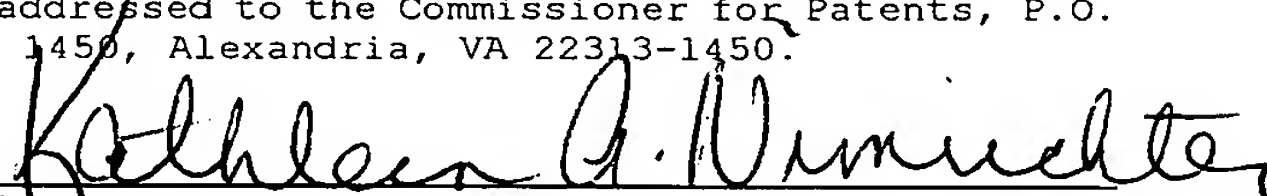


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Kathleen A. Nimrichter

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : John R. Grassi et al.  
For : **LOST PATTERN MOLD REMOVAL CASTING  
METHOD AND APPARATUS**  
Serial No. : UNKNOWN  
Filing Date : HERewith  
Attorney Docket No. : GISZ 2 00034  
Cleveland, Ohio 44114-2518

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to Rule 37 C.F.R. § 1.98(d)(2), the applicants provide the enclosed art for consideration by the Examiner.

A copy of the foreign references cited and of the corresponding PTO-1449 Form are enclosed. Applicants submit the following comments for the references that are not in English.

European Publication No. 119 365 discloses a method of casting aluminum in which the piece, still in a hot condition, is stripped immediately after casting and placed between two chilling molds of a die defining an imprint size which is slightly smaller than the size of the mold. The two chilling molds of the die are tightly pulled against one another in order to exert on the cast piece placed between them a combined action of core pressing and superficial hammering.

The German 36 16 168 publication discloses magnesium and calcium phosphinates and refractory materials which contain anywhere from 0.3 to 5% of the magnesium or calcium phosphinate as a binder. The German patent also discloses the use of

magnesium oxide, calcium oxide, dolomite, olivine, forsterite and mixtures thereof as binders for basic refractory raw materials.

The Japanese 5-169185 reference discloses a process for casting with a molding material and an inorganic binder (comprising zirconia with calcia or magnesia) with refractory power, organic binder, surface active agent and anti-foaming agent.

The French 2,614,814 reference discloses a process in the manufacture of cast parts wherein which castings that are cold or at low temperatures are pressed in die cavities of dimensions slightly less than those of the mold cavities. The process can be applied to aluminum and various alloys thereof or composite material castings produced by permanent mold or sand casting, low pressure casting, pressure casting and the like. Heterogenous structure castings with mechanical properties superior to those produced by the process disclosed in the EP 119 365 publication are obtained.

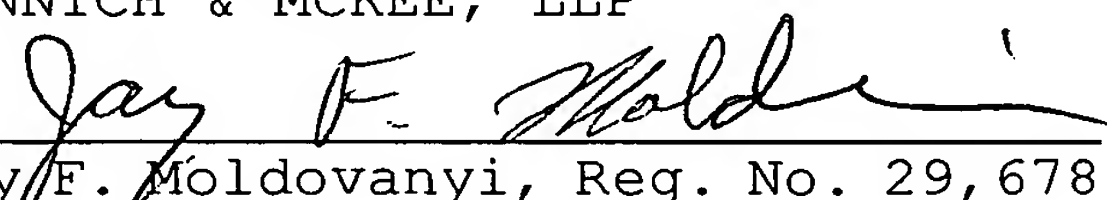
The German 32 15 809 reference discloses a plan for electrohydraulic cleaning of castings. It includes a pulsed current generator, a flexible electrical lead connecting the generator to a tool electrode, a discharge current signal generator positioned adjacent to and inductively coupled with the flexible lead and a unit for automatically maintaining the desired value of the discharge gap. The input of this unit is connected to the discharge current signal generator and the output of the unit is connected to the electrode adjustment device.

It is believed that no fees are due. However, should any fees be due, please charge any such fees to Deposit Account No. 06-0308.

Respectfully submitted,

FAY, SHARPE, FAGAN,  
MINNICH & MCKEE, LLP

Date: 19 Sep 2003

  
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Subst. Form PTO-1449  APPLICANT'S(S') INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: GISZ 2 00034	Serial No.: UNKNOWN
	Applicant(s): John R. Grassi et al.	
	Filing Date: HERewith	Group: UNKNOWN

U.S. PATENT DOCUMENTS							
Initial*		Document No.	Date	Name	Class	Sub cl.	Filing Date
	AA	22,865	2/1859	Gardiner			
	AB	185,376	12/1876	Whitehouse			
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	AD	927,495	7/1909	Custer			
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	AF	3,124,452	3/1964	Kraft			
	AC	3,540,519	11/1970	Yates			
	AH	3,620,291	11/1971	Delachapelle			
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	BJ	2002/0020511	2/2002	Crafton et al.			
	BK	2002/0104596	8/2002	Crafton et al.			
<b>FOREIGN PATENT DOCUMENTS</b>							
		Document No.	Date	Country	Class	Sub cl.	Transla- tion?
	BL	0 119 365	9/1987	Europe			No
	BM	36 16 168	11/1987	Germany			No
	BN	5-169185	7/1993	Japan			No
	BO	2 614 814	11/1988	France			No
	BP	32 15 809	11/1983	Germany			No
	BQ	2 248 569 A	4/1992	Great Britain			Yes
<b>OTHER ART</b>							
	BR	Patent Abstracts of Japan; Publication No. 61007058; Publication Date 13-01-86					
	BS						
	BT						
Examiner:					Date Considered:		
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.							